In the embodiment shown, the retainer 196 is ring shaped, however, other configurations are possible. In one such configuration the retainer 196 is a set of tabs extending out over the motion limiter 192. The size and structure of the retainer 196 can vary and will be dependent upon the specific requirements of the use.

In the Claims

Please amend claims 27, 47 and 52. Claims 27, 28, 30-32, 34-37, 41-48 and 50-52 are pending and are listed following:

27. (Amended) A heat exchanger comprising:

a. a core having a heat exchange portion;

b. a tube, wherein at least a portion of the tube extends into the core and is capable of being in contact with the core to transfer loads between the tube and the core, to provide support to the core and to increase the stiffness of the core, and wherein the tube is positioned at least adjacent to the heat exchange portion of the core;

c. a load bearing member positioned adjacent the core; and

d. a first mount positioned between the tube and the load bearing member, so that the load bearing member can receive loads from the tube.

28. (Unchanged) The heat exchanger of Claim 27, wherein the first mount is adjustable to allow the tube to expand separately from the load bearing member.

30. (Unchanged) The heat exchanger of Claim 27, further comprising a manifold for passing a fluid from and to the core.

31. (Unchanged) The heat exchanger of Claim 27, wherein the heat exchanger further comprises a second mount positioned between the tube and the core, wherein the second mount is capable of transferring loads between the tube and the core.

32. (Unchanged) The heat exchanger of Claim 28, wherein the first mount comprises:

a. a limiter mounted to the tube; and

b. a channel defined by the load bearing member, wherein the limiter is received by the channel such that the movement of the limiter is restrained by the channel.

34. (Unchanged) The heat exchanger of Claim 31, wherein the first mount is capable of substantially restraining axial movement of the tube and wherein the second mount is capable of substantially restraining lateral movement of the tube.

35. (Unchanged) The heat exchanger of Claim 34, wherein the tube further comprises a length and a core end, wherein the core end is positioned within the core and wherein the first mount is positioned along the length of the tube and the second mount is positioned near the core end of the tube.

36. (Unchanged) The heat exchanger of Claim 35, wherein the second mount is a sliding mount capable of receiving substantially lateral loads from the tube while allowing the tube to expand along its length.

37. (Unchanged) The heat exchanger of Claim 36, wherein the second mount comprises a cavity defined within the core, wherein the cavity is positioned about the core end of the tube.

41. (Unchanged) The heat exchanger of Claim 27, wherein the heat exchange portion comprises a layering of heat exchange members.

42. (Unchanged) The heat exchanger of Claim 41, wherein the tube is positioned at least adjacent the heat exchange members, so to limit movement of the heat exchange members and to receive loads from the heat exchange members, so to increase the stiffness of the core.

43. (Unchanged) The heat exchanger of Claim 42, wherein the tube is positioned through at least one of the heat exchange members.

44. (Unchanged) The heat exchanger of Claim 43, wherein the tube defines a passage therewithin, and wherein the tube is permeable so that the passage is in communication with the heat exchange portion of the core.

45. (Unchanged) The heat exchanger of Claim 27, wherein the tube has a longitudinal axis and wherein the first mount restrains the tube so to allow the transfer of loads aligned substantially with the longitudinal axis of the tube, from the tube to the load bearing member.

46. (Unchanged) The heat exchanger of Claim 45, wherein the first mount restrains the tube so to allow the transfer of torsional loads from the tube to the load bearing member.

47. (Amended) A heat exchanger comprising:

a. a core having a heat exchange portion, wherein the heat exchange portion comprises a layering of heat exchange members, and wherein the heat exchange members are capable of being displaced substantially laterally;

b. a tube having a length, wherein at least a portion of the tube extends adjacent to the heat exchange members and is capable of being in contact with the heat exchange members to transfer loads between the tube and the heat exchange members, to provide support to the core and to increase the stiffness of the core;

c. a load bearing member positioned adjacent the core; and

d. a first mount positioned between the tube and the load bearing member, so that the load bearing member can receive loads from the tube.

48. (Unchanged) The heat exchanger of Claim 47, wherein the first mount comprises:

a. a limiter mounted to the tube; and

b. a channel defined by the load bearing member, wherein the limiter is received by the channel such that the movement of the limiter is restrained by the channel.

50. (Unchanged) The heat exchanger of Claim 47, wherein the heat exchanger further comprises a second mount positioned between the tube and the core, wherein the second mount is capable of transferring loads between the tube and the core.

51. (Unchanged) The heat exchanger of Claim 50, wherein the second mount is a sliding mount capable of receiving substantially lateral loads from the tube while allowing the tube to expand along its length.

52. (Amended) A heat exchanger comprising:

a. a core having a heat exchange portion;

b. a tube having a length and an end, wherein at least a portion of the tube extends into the core so that the end of the tube is positioned within the core, wherein the tube is capable of being in contact with the core to transfer loads between the tube and the core, to provide support to the core and to increase the stiffness of the core, and wherein the tube is positioned at least adjacent to the heat exchange portion of the core;

c. a load bearing member positioned adjacent the core; and

d. a mount positioned between the end of the tube and the core, wherein the mount is capable of transferring loads between the tube and the core.